

FIG.1

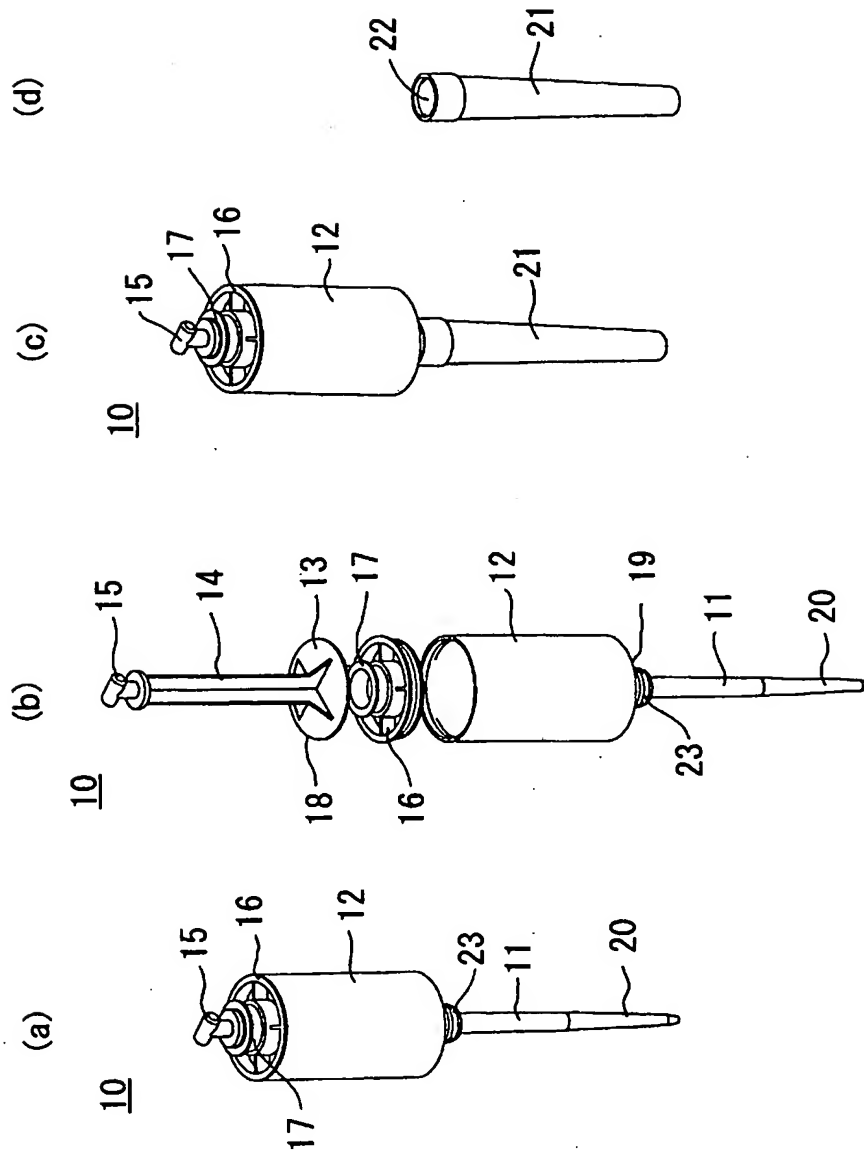


FIG.2

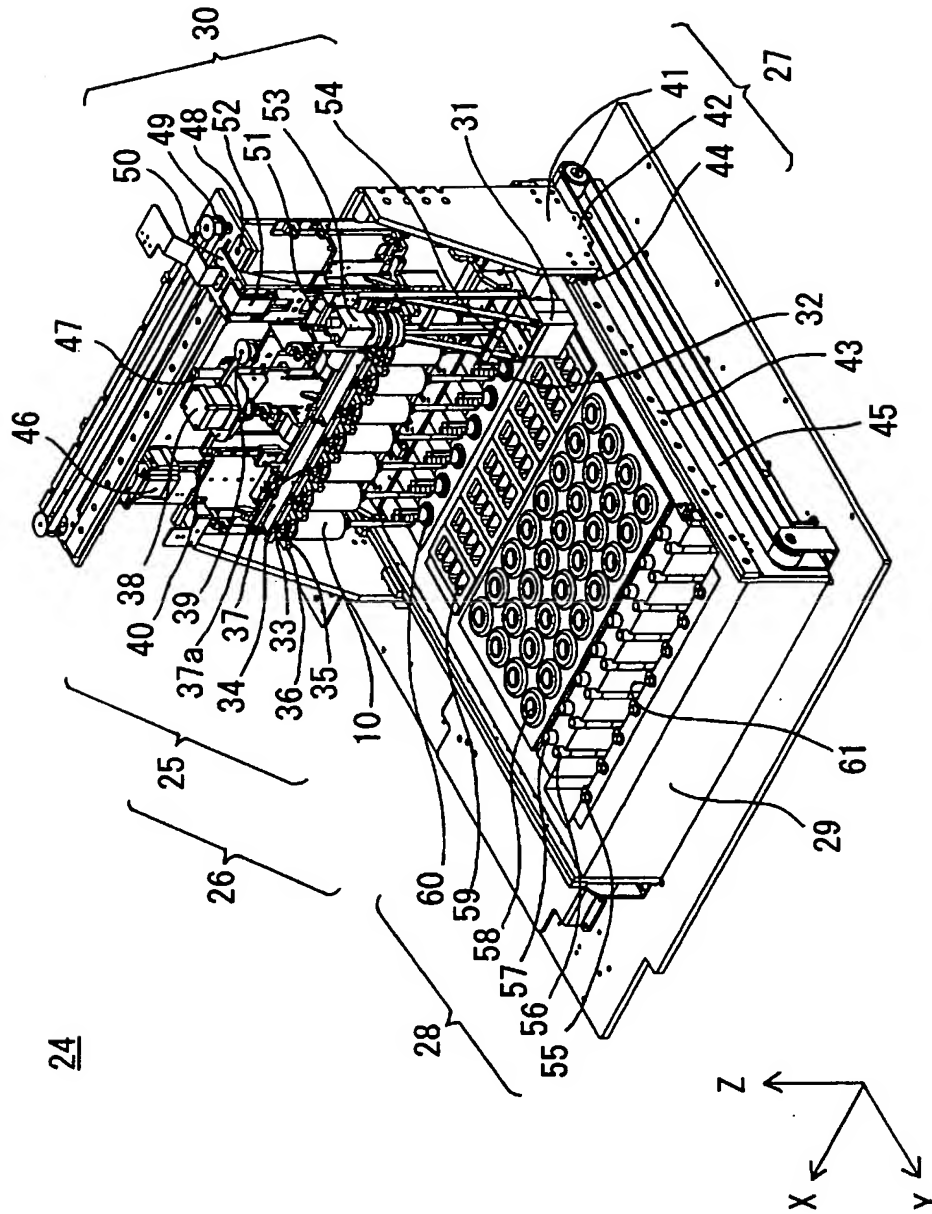


FIG.3

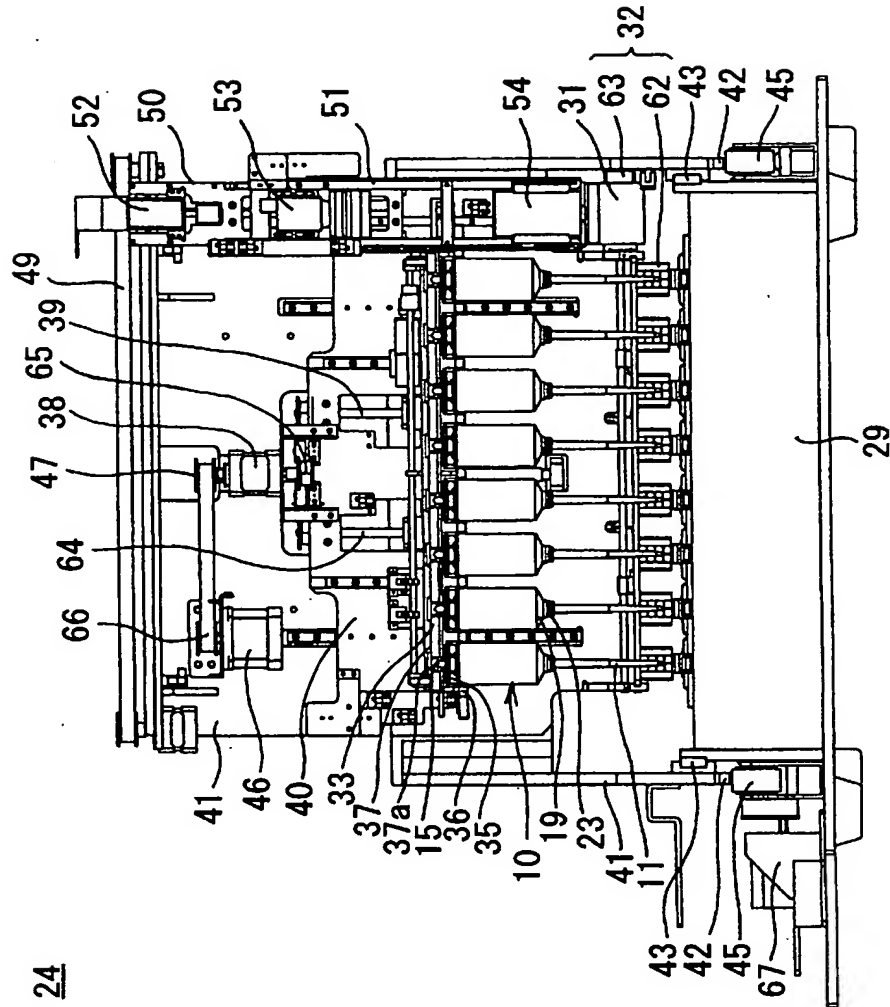


FIG.4

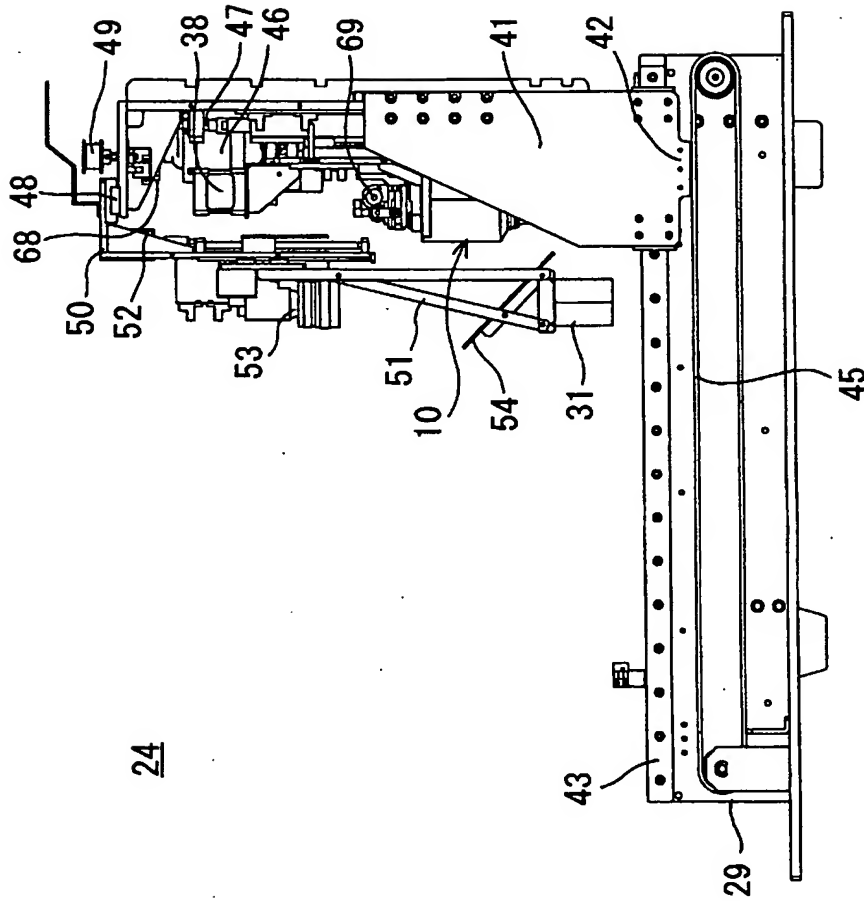


FIG.5

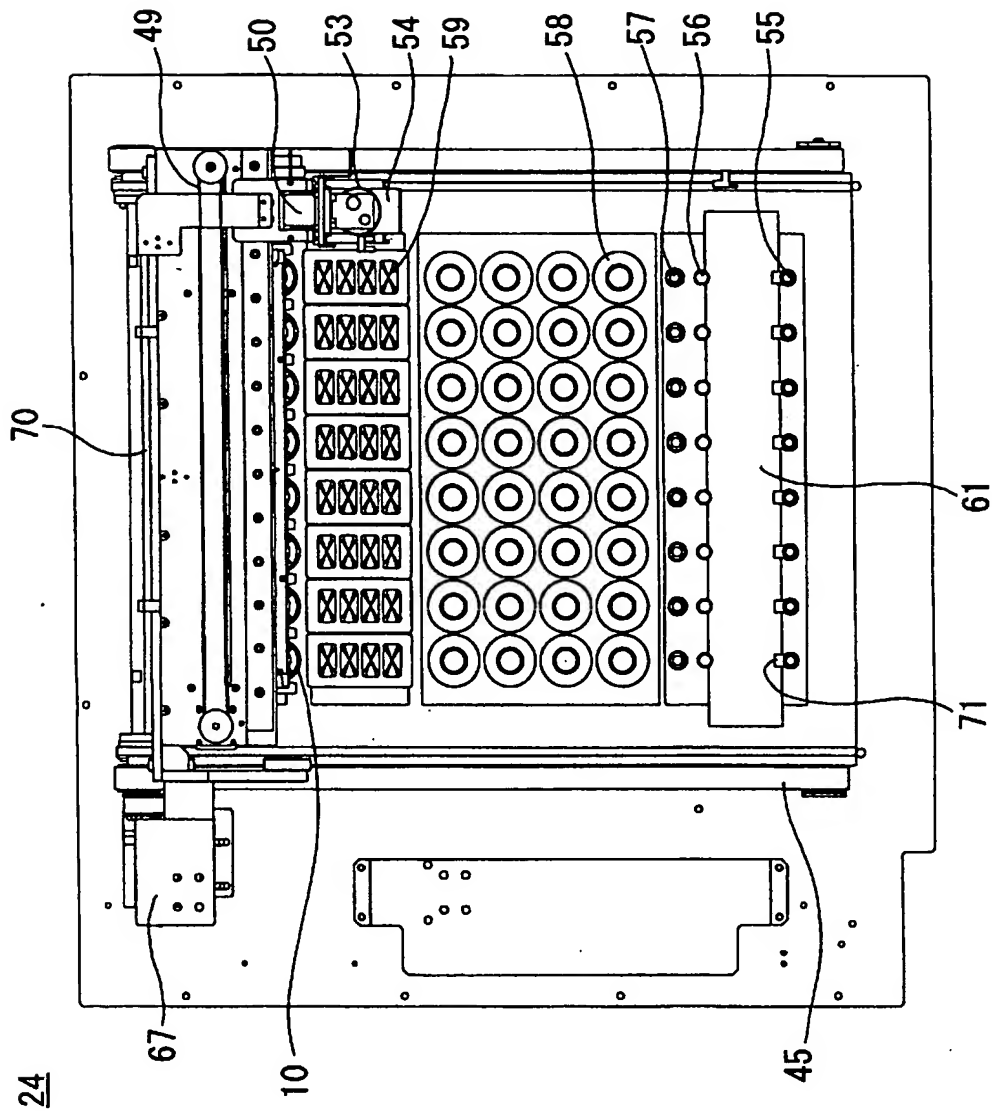


FIG.6

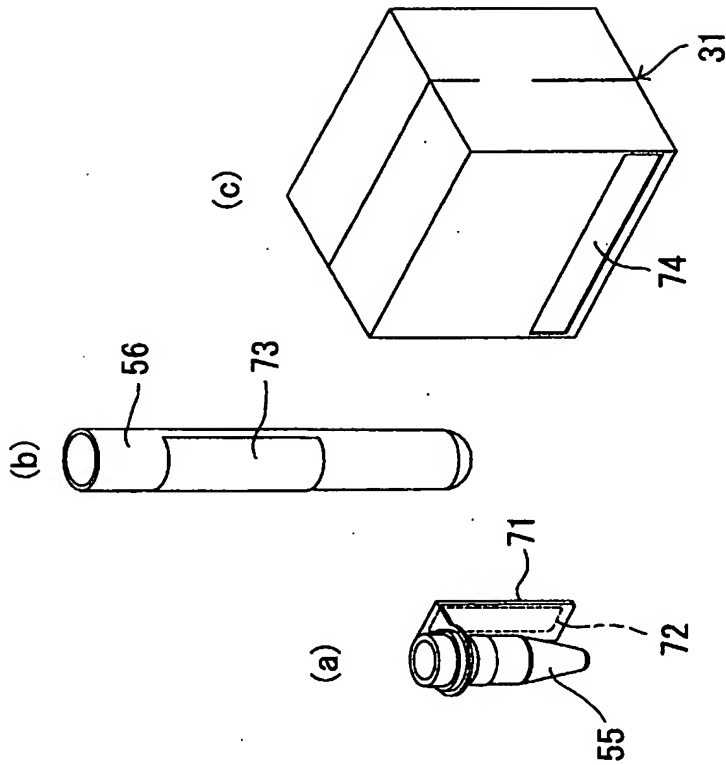


FIG.7

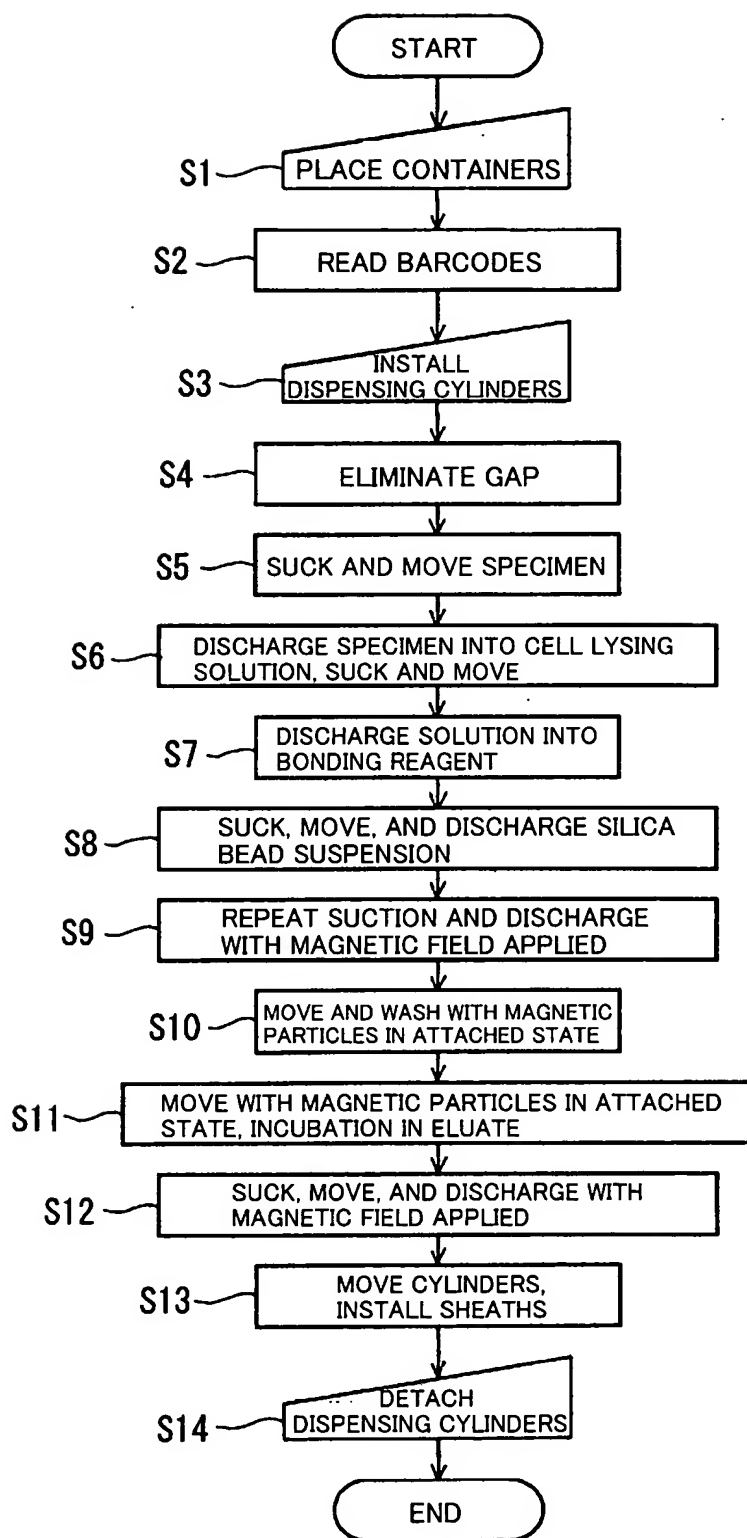


FIG.8

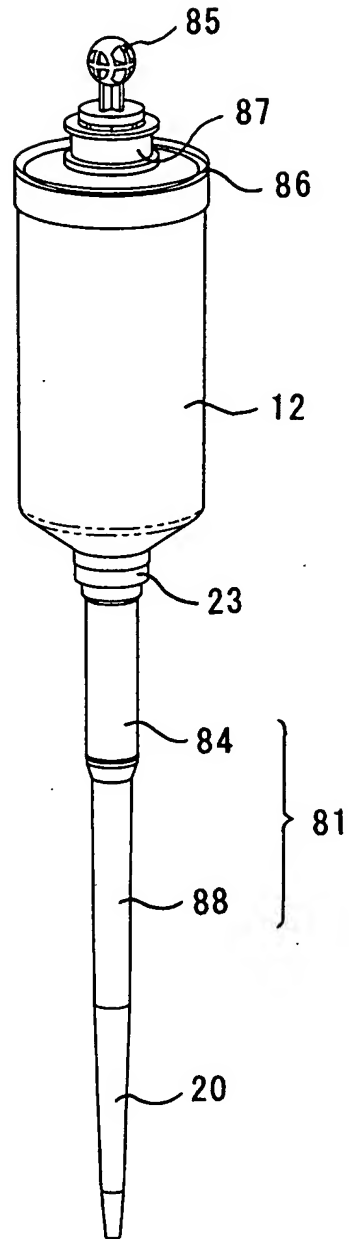
80



FIG.9

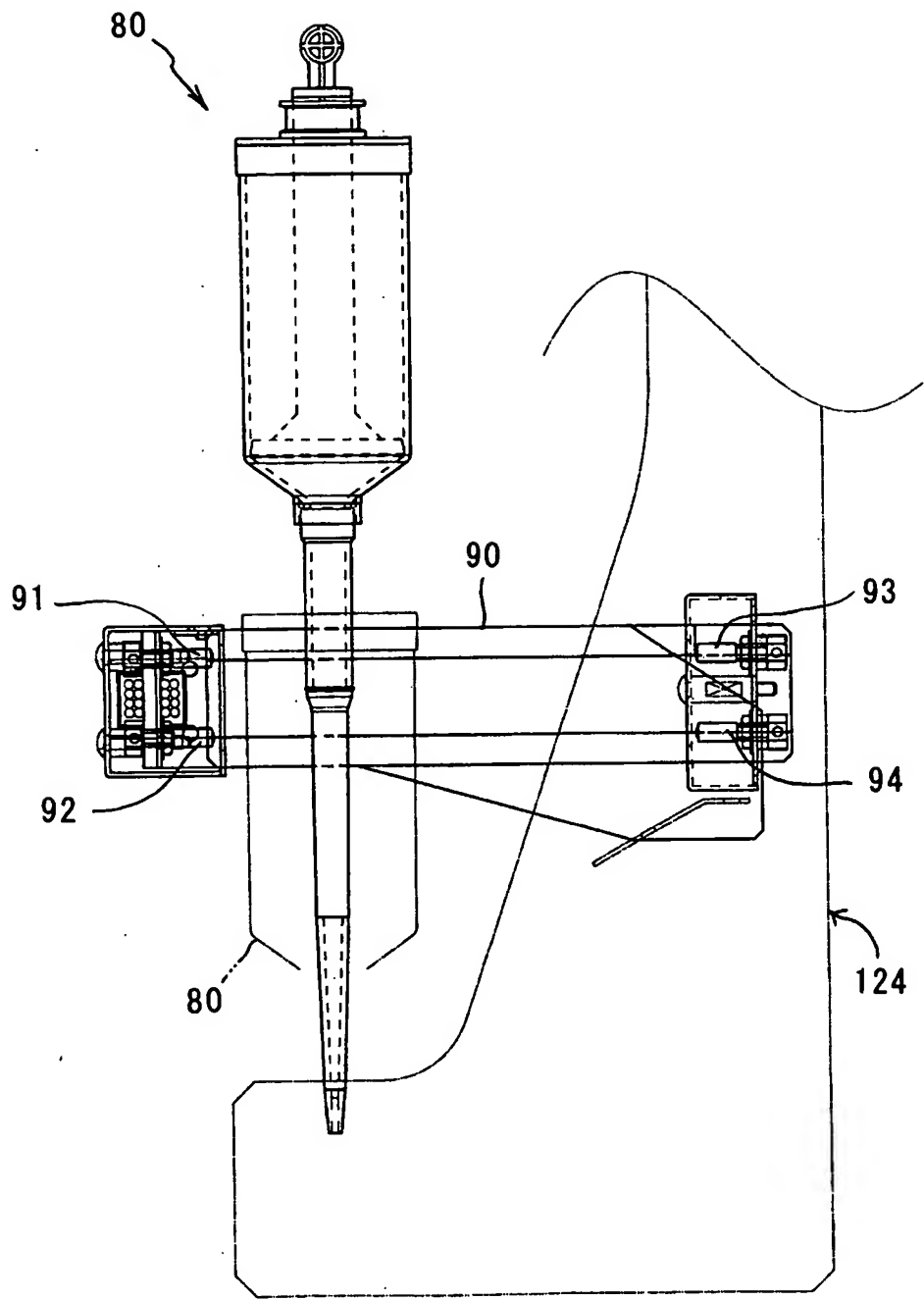


FIG.10

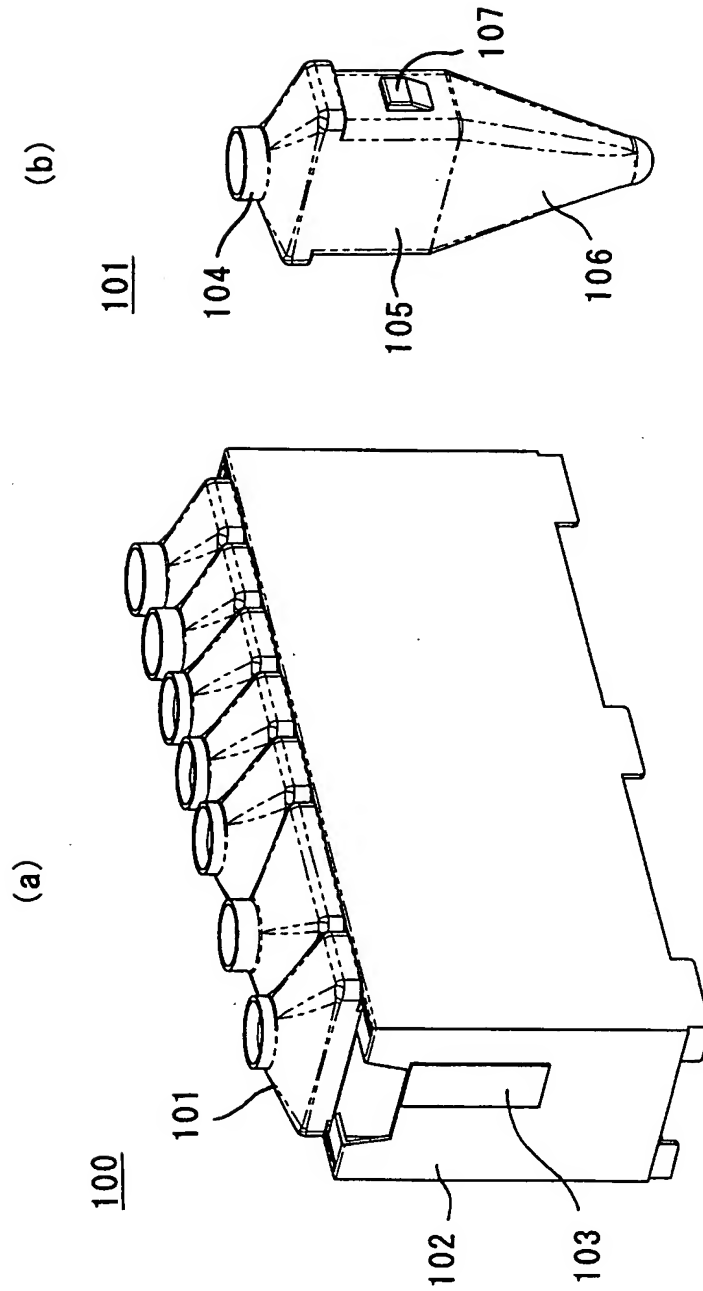


FIG.11

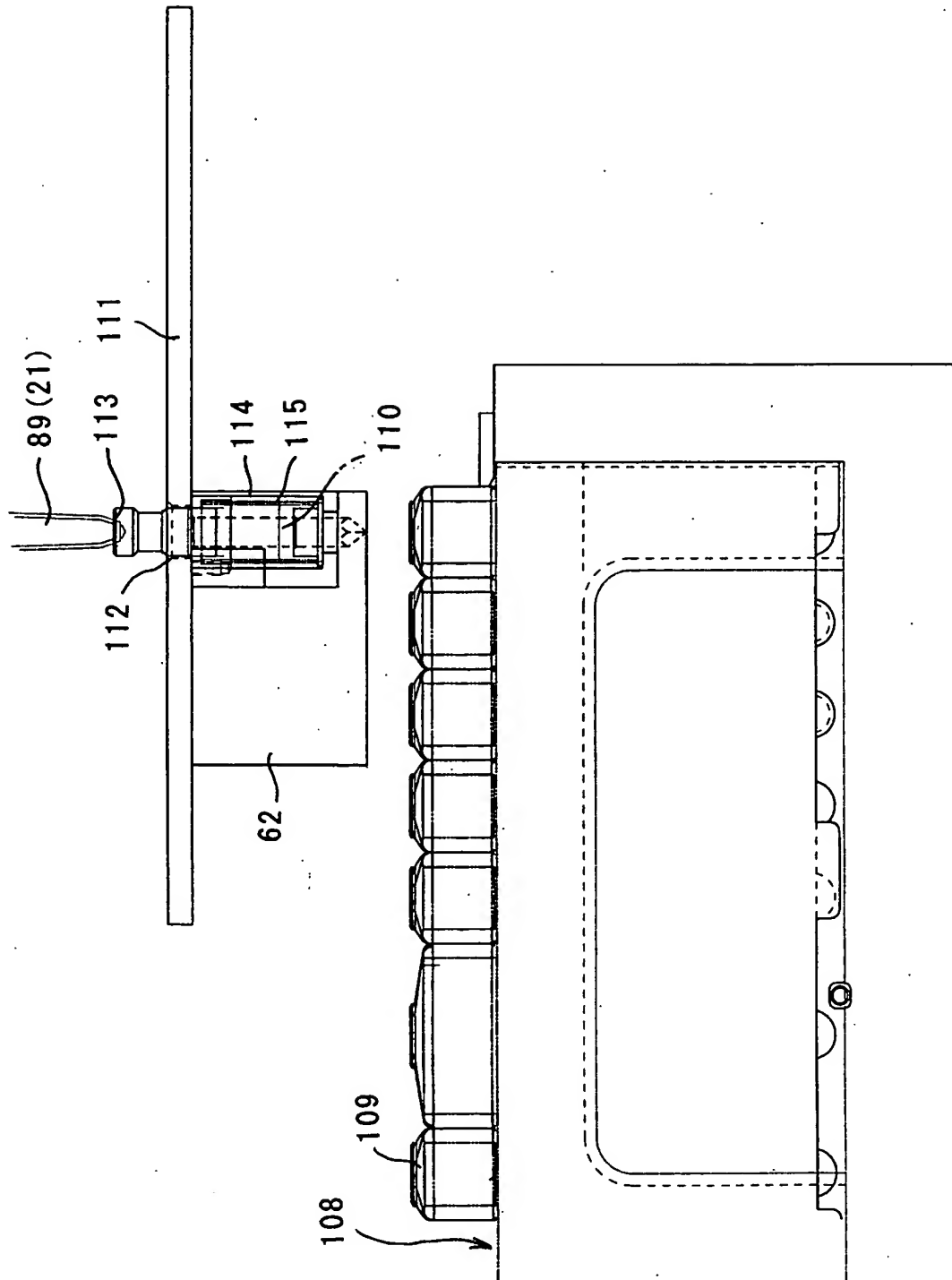
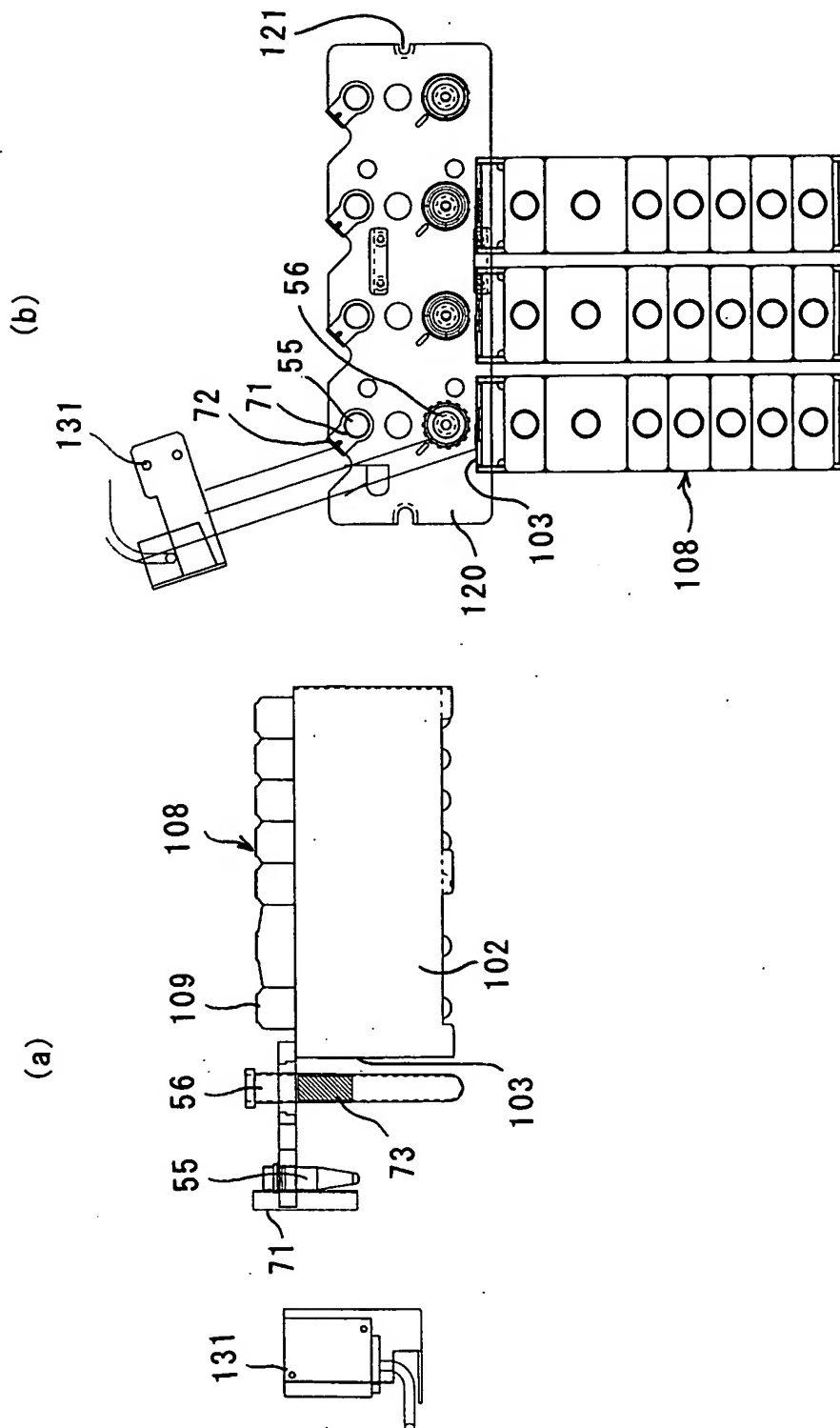


FIG.12



10, 80...Dispensing cylinder  
11, 81...Small diameter section  
12...Large diameter section  
13...Piston (sliding section)  
14...Rod (sliding section)  
15...T shaped end section (connection section)  
17...Flange tube (securing section)  
21...Sheath  
23...Engagement section  
24, 124...Large capacity dispensing device  
25...Suction and discharge mechanism  
26...Main body section  
27...Y axis carriage  
29...Container placement stage  
30...Optical measurement section  
31, 131...Barcode reader  
32...Magnetic section  
33...T-shaped cavity (connection target section)  
35...Sandwiching member (fitting section)  
37a...Gap elimination plate (gap elimination mechanism)  
50...X axis carriage  
53...CCD camera (optical measuring section)  
54...Mirror (optical measuring section)  
55, 56, 57, 58, 59, 60, 101, 109...Container (bottle)  
85...Ball end section (connection section)  
100, 108...Multiple container storage section